

Title (en)

PROSTHESIS ANCHORING AND DEPLOYING DEVICE

Title (de)

VORRICHTUNG ZUM VERANKERN UND EINBRINGEN EINER PROTHESE

Title (fr)

DISPOSITIF D'ANCRAGE ET DE DÉPLOIEMENT DE PROTHÈSE

Publication

EP 1827305 A1 20070905 (EN)

Application

EP 05820789 A 20051104

Priority

- US 2005039768 W 20051104
- US 98246504 A 20041105

Abstract (en)

[origin: US2006100688A1] A system for intraluminally delivering and deploying stents and other prostheses includes an outer catheter, an inner catheter movable axially relative to the outer catheter, and an anchoring device mounted to a distal end region of the inner catheter. The anchoring device includes one or more control features that interact with a linking structure proximally disposed on the prosthesis, preferably including one or more loops. The control features and loops interact by surface engagement to anchor the prosthesis relative to the inner catheter in a nonfrictional manner, thus to maintain lower axial prosthesis deployment and retraction forces. In one version of the anchor, the control features extend radially outward from a sleeve. In another version, the control features are formed in respective recesses which also receive the loops or other linking structure.

IPC 8 full level

A61F 2/06 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2006052642A1

Cited by

US11602621B2; US11484398B2

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US 2006100688 A1 20060511; **US 8337543 B2 20121225**; AT E540641 T1 20120115; AU 2005304974 A1 20060518; AU 2005304974 B2 20110324; CA 2583521 A1 20060518; EP 1827305 A1 20070905; EP 1827305 B1 20120111; ES 2378830 T3 20120418; JP 2008518717 A 20080605; JP 5055124 B2 20121024; US 2012283816 A1 20121108; US 9114039 B2 20150825; WO 2006052642 A1 20060518

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